

TABLE 2.2
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
The Dean Company

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| Scenario Timeframe: Future |
| Medium: Groundwater |
| Exposure Medium: Air |

| Exposure Point | CAS Number | Chemical | Minimum Concentration (Qualifier) | Maximum Concentration (Qualifier) | Units | Location of Maximum Concentration | Detection Frequency | Range of Detection Limits | Concentration Used for Screening (1) | Background Value (2) | Screening Toxicity Value (3) (N/C) | Potential ARAR/TBC Value | Potential ARAR/TBC Source | COPC Flag (Y/N) | Rationale for Selection or Deletion (4) |
|------------------------------|------------|----------------------------|-----------------------------------|-----------------------------------|-------|-----------------------------------|---------------------|---------------------------|--------------------------------------|----------------------|------------------------------------|--------------------------|---------------------------|-----------------|---|
| Water Vapors from Showerhead | 117817 | Bis(2-ethylhexyl)phthalate | 2 J | 5 J | ug/l | GW3D | 4 / 12 | 3 - 4 | 5 | NA | 4.8 C | 6 | MCL | Y | ASL |
| | 67663 | Chloroform | 0.6 J | 9 | ug/l | GW3D | 3 / 12 | 1 - 1 | 9 | NA | 0.063 C | 100 | MCL | Y | ASL |
| | 75150 | Carbon Disulfide | 0.3 J | 4.5 | ug/l | GW3D | 3 / 12 | 1 - 1 | 4.5 | NA | 100 N | NA | NA | N | BSL |
| | 76448 | Heptachlor | 2 J | 33 J | ug/l | GW4D | 6 / 12 | 0.01 - 0.01 | 33 | NA | 0.015 C | 0.4 | MCL | Y | ASL |
| | 108883 | Toluene | 0.1 J | 0.2 J | ug/l | GW3D | 3 / 12 | 1 - 1 | 0.2 | NA | 75 N | 1000 | MCL | N | BSL |
| | 7429905 | Aluminum | 134 J | 1340 | ug/l | GW3D | 2 / 12 | 29 - 38.2 | 1340 | NA | 3700 N | 50 - 200 | SMCL | N | BSL |
| | 7440393 | Barium | 65 J | 489 | ug/l | GW1D | 6 / 12 | 0.2 - 1 | 489 | NA | 260 N | 2000 | MCL | Y | ASL |
| | 7440417 | Beryllium | 0.2 K | 1.5 K | ug/l | GW2D | 3 / 12 | 0.1 - 1 | 1.5 | NA | 7.3 N | 4 | MCL | N | BSL |
| | 7439921 | Lead | 6 J | 35 J | ug/l | GW3D | 4 / 12 | 0.1 - 1 | 35 | NA | 15 | 15 | MCL | Y | ASL |
| | 7439965 | Manganese | 1900 | 12500 | ug/l | GW1D | 6 / 12 | 0.3 - 1 | 12500 | NA | 73 N | 50 | SMCL | Y | ASL |
| | 7440020 | Nickel | 0.9 J | 1.5 J | ug/l | GW4D | 3 / 12 | 0.9 - 7 | 1.5 | NA | 73 N | NA | NA | N | BSL |

(1) Maximum concentration used for screening.

(2) To date, no background study has been completed.

(3) All compounds were screened against the Risk-Based Concentration (RBC) Table, U.S. EPA Region III, May 8, 2001 for tap water (cancer benchmark = 1E-06; HQ = 0.1). Lead was screened against the action level of 15 ug/l.

(4) Rationale Codes:

Selection Reason: Above Screening Level (ASL)
Deletion Reason: Below Screening Level (BSL)

Definitions: NA = Not Applicable

MCL = Maximum Contaminant Level

SMCL = Secondary Maximum Contaminant Level

J = Estimated Value

K = Estimated Value - Biased High

C = Carcinogen

N = Noncarcinogen